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NOTICE OF ALLOWANCE AND FEE(S) DUE

52349

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04/03/2009

WENDEROTH, LIND & PONACK L.L.P. 1030 15th Street, N.W. Suite 400 East Washington, DC 20005-1503

EXAMINER				
ELBIN, JESSE A				
ART UNIT	PAPER NUMBER			
2614				

DATE MAILED: 04/03/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/590,144	08/21/2006	Takanori Fukuyama	2006_1088A	7137

TITLE OF INVENTION: SPEAKER, MODULE USING THE SAME, ELECTRONIC EQUIPMENT AND DEVICE, AND SPEAKER PRODUCING

METHOD

L	APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
	nonprovisional	NO	\$1510	\$300	\$0	\$1810	07/06/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

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1030 15th Street Suite 400 East	•			Cer	tificate	e of Mailing or Transists) Transmittal is being ficient postage for firs ISSUE FEE address 1) 273-2885, on the day	nission	
Washington, DC	20005-1503							(Depositor's name)
			_					(Signature)
			L					(Date)
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10/590,144 ITLE OF INVENTION IETHOD	08/21/2006 N: SPEAKER, MODUL	E USING THE SAME,	Takanori Fukuyama ELECTRONIC EQUII	MENT AND DEV	ICE, A	2006_1088A .ND SPEAKER PRO		137
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nonprovisional	NO	\$1510	\$300	\$0		\$1810	07/	/06/2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS					
ELBIN, J	ESSE A	2614	381-182000	_				
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PLEASE NOTE: Unle recordation as set forth (A) NAME OF ASSIC	ess an assignee is identi n in 37 CFR 3.11. Comp GNEE	A TO BE PRINTED ON The fied below, no assignee detion of this form is NO categories (will not be presented to the presented of the presented o	data will appear on the T a substitute for filing a (B) RESIDENCE: (CIT	patent. If an assign n assignment. Y and STATE OR (COUNT			
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WENDEROTH, LIND & PONACK L.L.P.		ELBIN, .	TESSE A		
1030 15th Street, N	J.W.		ART UNIT	PAPER NUMBER	
Suite 400 East Washington, DC 2	0005-1503		2614 DATE MAILED: 04/03/200	9	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 305 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 305 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)			
	10/590,144	FUKUYAMA ET AL.			
Notice of Allowability	Examiner	Art Unit			
	JESSE A. ELBIN	2614			
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIPORT OF THE	(OR REMAINS) CLOSED or other appropriate comn IGHTS. This application is and MPEP 1308.	in this application. If not included nunication will be mailed in due course. THIS			
2. ☑ The allowed claim(s) is/are <u>20-34</u> .					
3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE"	be been received. been received in Applicat cuments have been received of this communication to fi	ion No ed in this national stage application from the			
noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	itted. Note the attached EX				
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st he submitted				
(a) ☐ including changes required by the Notice of Draftspers		ew (PTO-948) attached			
1) hereto or 2) to Paper No./Mail Date	•	(
(b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the state of the sheet.	.84(c)) should be written on	the drawings in the front (not the back) of			
DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.					
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview : Paper No 7. ☐ Examiner'	nformal Patent Application Summary (PTO-413), b./Mail Date s Amendment/Comment s Statement of Reasons for Allowance			

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DETAILED ACTION

Response to Amendment

1. The amendment filed February 5, 2009 has been entered. Examiner sincerely appreciates Applicant's voluntary amendments to the specification to make grammatical and idiomatic improvements

Allowable Subject Matter

- 2. Claims 20-34 are allowed.
- 3. The following is an examiner's statement of reasons for allowance: The closest prior art of record (House US Patent 5,883,967) teaches a speaker wherein the voice coil connects to the outermost portion of the diaphragm via a bobbin, and the edge connects to the diaphragm, at a point, more inward than the outer peripheral portion. Furthermore, House teaches the diaphragm connected to the voice coil via ribs, creating slots (i.e. through holes) underneath the edge portion. Neither House, nor the prior art of record, when viewed alone, or in combination teaches "said outer peripheral portion of said diaphragm [being] interposed between said through hole and said voice coil" as stated in independent claim 20, including all other limitations of claim 20.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JESSE A. ELBIN whose telephone number is (571)270-3710. The examiner can normally be reached on Monday through Friday, 9:00am to 6:00pm EDT.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Curtis Kuntz can be reached on (571) 272-7499. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/J. A. E./
Examiner, Art Unit 2614
/CURTIS KUNTZ/
Supervisory Patent Examiner, Art Unit 2614